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		Applicant(s)
Notice of Allowability	0/511,000	ELKIND ET AL.
	xaminer	Art Unit
	Nbert J. Gagliardi	2884
	ibert J. Gagilardi	2004
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>12 October 2004</u> .		
2. The allowed claim(s) is/are <u>1-21</u> .		
3. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☑ All b) ☐ Some* c) ☐ None of the:		
1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No.		
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this national stage application from the 		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ⊠ Notice of References Cited (PTO-892)	5. Notice of Informal P	Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08)	Paper No./Mail Da , 7. ☐ Examiner's Amendr	te ment/Comment
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	

Comment on Submissions

1. This Office Action is responsive to submissions of 12 October 2004.

2. The examiner acknowledges consideration of the International Preliminary Examination

Report.

Information Disclosure Statement

3. The references cited in the Search Report in International Application PCT/IL03/00414

have been considered, but will not be listed on any patent resulting from this application because

they were not provided on a separate list in compliance with 37 CFR 1.98(a)(1). In order to have

the references printed on such resulting patent, a separate listing, preferably on a PTO-1449

form, must be filed within ONE MONTH of the mailing date of this communication. NO

EXTENSION OF TIME WILL BE GRANTED UNDER EITHER 37 CFR 1.136(a) OR (b) to

comply with this requirement.

Allowable Subject Matter

4. Claims 1-21 are allowed.

5. The following is an examiner's statement of reasons for allowance:

Regarding independent claims 1 and 13, the prior art does not teach or fairly suggest a

focal plane array for IR imaging (claim 1) or method of digitally quantifying IR radiation on a

focal plane array (claim 13), as specifically claimed, and including at least a peripheral block

comprising a comparator for on/off switching a digital controller and a digital to analog

converter controlled by the controller which provides an appropriate amount of charge to cancel

out the charge accumulated in a pixel capacitor. The examiner notes that while it is generally

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known in the art to include some sort of charge correction and/or charge trimming/skimming in conjunction with infrared detectors (see for example Kleinfelder *et al.*-- "Focal plane array readout integrated circuit with per-pixel analog-to-digital and digital-to-analog conversion." and Levy -- US 6,147,340), such prior art does not discloses or fairly suggest the readout/analog-to-digital conversion arrangement as specifically recited.

The remaining claims are allowed on the basis of their dependency.

6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Albert J. Gagliardi whose telephone number is (571) 272-2436. The examiner can normally be reached on Monday thru Friday from 10 AM to 6 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David P. Porta can be reached on (571) 272-2444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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9. Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)

Albert J. Gagliardi Primary Examiner Art Unit 2884

AJG